

**PRO  
Classic**

# Altitude CP-1100 Series of Mini-Pan Tilt Zoom Network IP Cameras



- Dual-stream H.264 and MPEG-4 video
- Multi video resolution settings at up to VGA
- SD Slot Available
- Advanced 1/4" DSP CCD camera with up to 12x Optical, 12x digital zoom
- Bi-Directional Audio
- Preset, pattern and area title capability
- Flip Functionality
- Anti-ice and anti-mist, built-in heater and air circulating system (outdoor only)
- Vandal-resistant polycarbonate bubble - standard
- Tinted (Smoked) Bubble options
- Unicast or Multicast
- Exceeds IP66 and NEMA-4 specifications
- 24VAC and PoE+ power on Indoor models
- Mounting options include wall, pendant, corner and over-the-roof mounts
- Remote access for configuration, administration, viewing and control via standard web browser, via supported system software, configuration tool, and telnet.



## H.264 / MPEG4 Mini-PTZ Cameras with 12X Optical Zoom, VGA Resolution, available with Color-Day/Night (outdoor version).

The CP-1100 Series of industrial-grade, high-resolution IP mini-PTZ dome cameras incorporate the latest DSP technology to provide unparalleled video quality. The CP-1100 camera systems are designed to meet the toughest surveillance applications with a complete set of programmable camera features including high-speed precision camera presets, patterns, guard tours, privacy windows as well as a user friendly onscreen programming interface. Available for indoor and outdoor applications, the CP-1100 series is well suited for the most demanding security and surveillance applications.

The Altitude CP-1100 cameras are ideal in both indoor and outdoor installations and all types of environments. This camera is the preferred choice for use in Airports, Detentions/Prisons, Municipal applications, Seaports, Tollway/Traffic installations and more.

The camera provides dual video streams in both H.264 and MPEG-4 (ISO) up to a total of 30/25 Frames Per Second (NTSC/PAL) with 100% image quality. This affords excellent image response and efficient bandwidth utilization.

In addition, DVTEL's Scene Adaptive Algorithms provide the highest image quality at the lowest bandwidth and storage requirements. In most cases, these cameras can maintain 30/25FPS (NTSC/PAL) at VGA resolution starting at less than a megabit per stream.

Bi-directional audio is available for users to remotely listen in to the area surrounding the camera and communicate with visitors or intruders.

IEEE compliant, the entire Altitude Series of network cameras utilize the latest in multicast networking technology which enables a single stream to be transmitted to multiple viewers on the network simultaneously, further reducing bandwidth and providing more flexibility options for installation.

For indoor models, 802.03at/POE+ Power over Ethernet supplies power to the camera via the network, eliminating the need for additional cabling and reducing installation costs.

DVTEL offers a full line of IP cameras and encoders to meet your every need. Please see our IP Camera and Encoder Family Guide at [www.dvtel.com/products/edge-devices](http://www.dvtel.com/products/edge-devices) to explore your options.

# Altitude CP-1100 Series

## Network PTZ Domes

### General Specifications

| 12x Day/Night                 |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Image Sensor                  | ¼-inch Sony CCD                                           |
| Video Resolution              | 540TVL                                                    |
| Zoom - Optical/Digital        | 12 Optical/12x Digital Zoom                               |
| Scanning system               | 2:1 Interlacing                                           |
| Pixel Array NTSC / PAL        | 768x494 / 752x582                                         |
| Signal Processing             | Sony SS4                                                  |
| Min Illumination              | 0.5 (lux) Outdoor versions include Night mode 0.066 (lux) |
| Digital Slow Shutter (DSS)    | Yes – 1/2 – 1/10,000 Auto (Up to 16X Sensitivity Boost)   |
| Automatic White Balance (AWB) | Auto/Manual                                               |
| Backlight Compensation (BLC)  | On/Off                                                    |
| Signal to Noise Ratio (SNR)   | ≥50dB                                                     |
| Automatic Gain Control (AGC)  | Yes                                                       |
| Iris                          | Auto/Manual                                               |
| Focus                         | Auto/Manual                                               |
| Day/Night Mode                | Available on Outdoor Version Only                         |
| IR Cut filter                 | Available on Outdoor Version Only                         |
| Shutter Speed                 | NTSC: 1/2 - 1/10K seconds, seamless<br>PAL: 1/1.5 - 1/10K |
| Minimum Focal Distance        | 0.5m (wide) - 1.0m (tele)                                 |
| Varifocal Length              | 3.8mm - 45.6mm                                            |
| Angle of View                 | Wide 53° / Tele 4.4°                                      |

| Video                      |                                                                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Video Standard             | NTSC / PAL                                                                                                                              |
| Video Compression Standard | H.264 / MPEG-4, ISO standard, Dual Stream;                                                                                              |
| Frame Rate                 | 30 FPS (NTSC) in all Resolutions, 25 FPS (PAL) in all Resolutions                                                                       |
| Video Resolution           | Scalable from QVGA-VGA: 320x240 to 640x480                                                                                              |
| Bandwidth                  | Configurable between 64 Kbps and 6 Mbps                                                                                                 |
| Audio                      |                                                                                                                                         |
| Bi-directional Audio       | Line In/Mic In/Line Out, Compression: G.711                                                                                             |
| Connector                  | Accessory Cable                                                                                                                         |
| Communication              |                                                                                                                                         |
| Network Protocols          | Transport: RTP (Unicast/multicast), UDP (Unicast/multicast), TCP<br>Others: DNS, HTTP server, IGMP V1/V2, Telnet client and DHCP client |
| Ethernet                   | 10/100 Base-T Auto sensing, Half/Full Duplex                                                                                            |
| Management                 |                                                                                                                                         |
| Configuration              | Remote: Via Web Access, Telnet, or Supported Video Management Software                                                                  |
| Regulatory                 |                                                                                                                                         |
| FCC                        | FCC part 15 (class B)                                                                                                                   |
| CE                         | IEC60950, EN55022, EN55024, EN55130, EN55103-1, -2; EN61000-3, -2; EN61000-3, RoHS                                                      |
| UL/cUL                     | UL60950-1; CSA C22.2 No. 60950-1-03                                                                                                     |
| Warranty                   |                                                                                                                                         |
|                            | 2-year limited warranty, covering parts                                                                                                 |

### Other Specifications

| Alarm                             |                                                                                                                    |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Input                             | 2 Dry Contacts                                                                                                     |
| Output                            | 1 System Relay - 60V AC/DC at 1000 mA max                                                                          |
| Camera Presets and Patterns       |                                                                                                                    |
| Presets                           | 256                                                                                                                |
| Patterns                          | 4                                                                                                                  |
| Privacy Windows                   | 16                                                                                                                 |
| Resume after Power                | Yes                                                                                                                |
| Home Function                     | Yes                                                                                                                |
| Physical                          |                                                                                                                    |
| Dimensions (D x H) Indoor/Outdoor | 5.2" x 6.8" (133 x 173mm) Indoor<br>7.5" x 10.2" (190 x 260mm) Outdoor with sunshield                              |
| Mount                             | Indoor Surface MT / Outdoor Bracket Mount                                                                          |
| Unit Weight                       | 1.2kg (2.6lbs) Indoor<br>2.1kg (4.6lbs) Outdoor                                                                    |
| Unit Shipping Weight              | 2.0kg (4.5lbs) Indoor<br>3.9kg (8.6lbs) Outdoor                                                                    |
| Mechanical                        |                                                                                                                    |
| Manual Pan/Tilt Speed             | 0.1° - 90° per second proportional (based on zoom position)                                                        |
| Preset Pan/Tilt Speed             | 300° per second                                                                                                    |
| Pan Travel                        | 360° Continuous                                                                                                    |
| Tilt Travel                       | -10° - +100° (with auto-flip)                                                                                      |
| Pan/Tilt accuracy                 | ±0.2°                                                                                                              |
| Zoom/Focus Accuracy               | ±0.5°                                                                                                              |
| Motors                            | Brushless micro stepping motors                                                                                    |
| Electrical                        |                                                                                                                    |
| Input Voltage                     | 24VAC +/-10% or POE+ (Indoor models)                                                                               |
| Power Consumption                 | 14W (indoor) / 52W (outdoor)                                                                                       |
| Environment                       |                                                                                                                    |
| Indoor Operating Temperature      | 32° F to 122° F (0° C to 50° C)                                                                                    |
| Outdoor Operating Temperature     | Peak Operating Temperature: 60C<br>Continuous Operating Temperature: 50C<br>Minimum Operating Temperature -40° C/F |
| Storage Temperature               | 32° F to 140° F (0° C to 60° C)                                                                                    |
| Fan and auto heater               | Fan and Heater (outdoor version only)                                                                              |
| Humidity                          | 0 - 95% (non-condensing)                                                                                           |
| Ratings                           | IP66, NEMA 4 - Outdoor Version                                                                                     |

### Accessories - See Price Guide for Complete List

|            |                         |           |                    |
|------------|-------------------------|-----------|--------------------|
| CX-SMOKE-0 | Smoked Bubble           | CX-ARMX-0 | Short Wall Bracket |
| CP-RCSD-1  | Recessed Kit            | CX-ARMX-1 | Long Wall Bracket  |
| CX-CRNR-0  | Exterior Corner Kit     | CX-SWAN-0 | Swan/Roof Mount    |
| CX-PIPE-0  | 10" Drop Pipe Extension | CX-POLE-0 | Pole Bracket       |

### Camera Ordering Information

| Example CP2101-231N    |   | Series          |   | Resolution inm MP |  | Intelligence Package           |   | Zoom     | Indoor/Outdoor            | NTSC/PAL            |
|------------------------|---|-----------------|---|-------------------|--|--------------------------------|---|----------|---------------------------|---------------------|
| CP                     | - | 1               | 1 | 0                 |  | 1                              | - | 12       | 0/1                       | N/P                 |
| Pan, Tilt, Zoom camera | - | 1 = Pro-Classic | 1 | 0 = VGA           |  | 1 = Intelligent Multi-Zone VMD | - | 12 = 12X | 0 = Indoor<br>1 = Outdoor | N = NTSC<br>P = PAL |